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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/776,059	02/11/2004	Venkatachalam C. Jaiprakash	112020.143 US2 (Nan-19)	2111	
23483 7.	590 12/15/2005		EXAM	EXAMINER	
WILMER CUTLER PICKERING HALE AND DORR LLP			MENZ, DOUGLAS M		
60 STATE STE BOSTON, MA			ART UNIT	PAPER NUMBER	
•			2891		
			DATE MAILED: 12/15/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	No.
Office Action Summary		10/776,059	JAIPRAKASH ET AL.	4,
		Examiner	Art Unit	
		Douglas M. Menz	2891	
Period fo	The MAILING DATE of this communication app	pears on the cover sheet with the	correspondence addres	s
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING Donsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Depend for reply is specified above, the maximum statutory period vire to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tinuity will apply and will expire SIX (6) MONTHS from the application to become ABANDONE	N. nely filed the mailing date of this commur (D) (35 U.S.C. § 133).	·
Status				
1)□ 2a)□ 3)□	Responsive to communication(s) filed on This action is FINAL . 2b) This Since this application is in condition for alloward closed in accordance with the practice under Expression 1.	action is non-final. nce except for formal matters, pro		rits is
Dispositi	ion of Claims			
5) □ 6) ⊠ 7) □ 8) □ Applicati 9) □ 10) ⊠	Claim(s) 1-31 is/are pending in the application 4a) Of the above claim(s) 4-31 is/are withdrawn Claim(s) is/are allowed. Claim(s) 1-3 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/of on Papers The specification is objected to by the Examine The drawing(s) filed on 11 February 2004 is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath of the oat	n from consideration. r election requirement. er. e: a)⊠ accepted or b)□ objected drawing(s) be held in abeyance. Sertion is required if the drawing(s) is objected.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.	
12)[a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau see the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stag	e
2) 🔲 Notic 3) 🔯 Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 1/6/05, 1/14/05, 3 4 4 5	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of claims 1-3 in the reply filed on 10/26/05 is acknowledged.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Segal et al. (US 6574130).

The applied reference has a common inventor with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding claim 1, Segal discloses a discrete electro-mechanical device, comprising:

a structure including an electrically-conductive trace (104, Figs. 2A-B);

Art Unit: 2891

a defined patch of nanotube fabric (101, Figs. 2A-B) disposed in spaced relation to the trace; and

wherein the defined patch of nanotube fabric is electromechanically deflectable between a first and second state, wherein in the first state the nanotube article is in spaced relation relative to the trace, and wherein in the second state the nanotube article is in contact with the trace (Figs. 2A-B and Col. 4); and

a low resistance signal path (104, Figs. 2A-B) in electrical communication with the defined patch of nanofabric.

Regarding claim 2, Segal further discloses wherein the low resistance signal path (104, Figs. 2A-B) is a metal signal path in contact with the defined patch of nanotube fabric (Col. 4).

Regarding claim 3, Segal further discloses wherein the structure includes a defined gap into which the electrically conductive trace is disposed, wherein the defined gap has a defined width, and wherein the defined patch of nanotube fabric spans the gap and has a longitudinal extent that is slightly longer than the defined width of the gap (Figs. 2A-B and Col. 4).

Art Unit: 2891

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas M. Menz whose telephone number is 571-272-1877. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Baumeister can be reached on 571-272-1722. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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